

Community Bulletin

Air Force Real Property Agency—Kelly



March 2003

AIR FORCE TO INSTALL CLEANUP SYSTEM IN THE AREA OF BUILDING 360

CONSTRUCTION WILL CAUSE TEMPORARY ROAD CLOSURES

On March 24, 2003, the Air Force began preparing the area near Building 360 for installation of a groundwater cleanup system. The project will take place in phases, and work will take approximately two months to complete. The actual installation will begin in the month of June, and will lead to the temporary closure of a portion of Luke Drive south of Industrial Park Road. The southwest vehicle exit gate of Building 360 will also close for several weeks. All construction activities will occur Monday through Saturday from 7 a.m. to 7 p.m.

What is being cleaned up?

Groundwater at Building 360 contains the cleaning solvent, tetrachloroethylene (PCE). PCE and its associated degradation products (trichloroethylene or TCE and 1, 2-dichloroethylene or 1, 2-DCE) are also present in the groundwater in the area of Building 360. Although this source is not used for drinking water, the law requires that groundwater meet drinking water standards set by the U.S. Environmental Protection Agency.

How is the Air Force going to clean up the groundwater?

The Air Force will construct a permeable reactive barrier (PRB) at Building 360. Additionally a low-permeability slurry wall will be

constructed at Building 360, which will contain the groundwater and direct it towards the PRB there. A PRB is an underground trench filled with iron filings. It is placed across the flow of groundwater so the water must pass through it. As contaminated water flows through the trench, the iron reacts with the contaminants and breaks them down into water, carbon dioxide, ethene, and the mineral, chloride. The Air Force will regularly monitor and maintain the PRB to ensure it is operating properly.

What construction activities are going to occur?

The PRB and slurry wall will be installed near the southwestern end of Building 360 and in the grassy area of the horseshoe. The slurry wall will be approximately 2.5 feet wide by 480 feet long and will be installed along the western side of Building 360. The PRB will be constructed in three sections. It will measure about 900 feet long, 2.5 - 10 feet wide, and 30 feet deep beginning along the southwestern side of Building 360 and ending in the horseshoe area.

Following the installation of the PRB at Building 360, the Air Force will install another PRB at the site of the former Building 301.

How will this affect me?

Some traffic within the horseshoe

area at Building 360 may temporarily be rerouted. There will be more truck traffic in this area, and on Tinker Drive, Duncan Drive, Luke Drive, England, and Foulis Street. Temporary security fencing and barricades will be placed around the construction site. Heavy machinery and trucks will operate in the area. Some equipment and materials will also be stored within the construction area and in the fenced area in the large parking lot at Tinker Drive and Duncan Drive.

A wet slurry process will minimize the amount of dust during the construction process and air quality will be monitored. Any soil that is removed will be tested according to the Texas Commission on Environmental Quality (TCEQ) guidelines and will be reused and/or disposed of properly.

Questions?

The AFRPA is dedicated to involving the community in the cleanup program for the former Kelly Air Force Base. For more information on this project, please call the AFRPA Public Information Line at 210-925-0956, visit our web site at www.kellyafb.net or write to us at the address below:

AFRPA
Building 360 PRB